

ROSEN



a new generation of leadership in mobile video

A7 DVD Entertainment System

Owner's Manual



.mp3



NOTICES

NOTICE OF INTENDED USE

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MOBILE VIDEO PRODUCTS ARE NOT INTENDED FOR VIEWING BY THE DRIVER WHILE THE VEHICLE IS IN MOTION. SUCH USE MAY DISTRACT THE DRIVER OR INTERFERE WITH THE DRIVER'S SAFE OPERATION OF THE VEHICLE, AND THUS RESULT IN SERIOUS INJURY OR DEATH. SUCH USE MAY ALSO VIOLATE STATE LAW.

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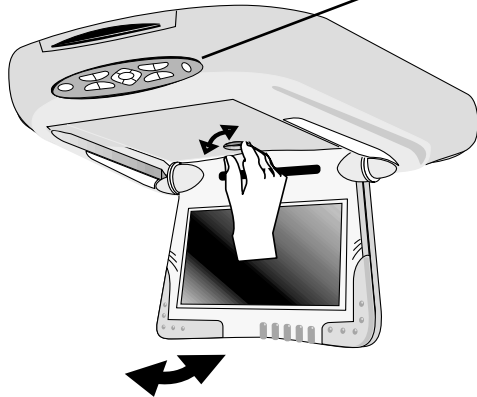
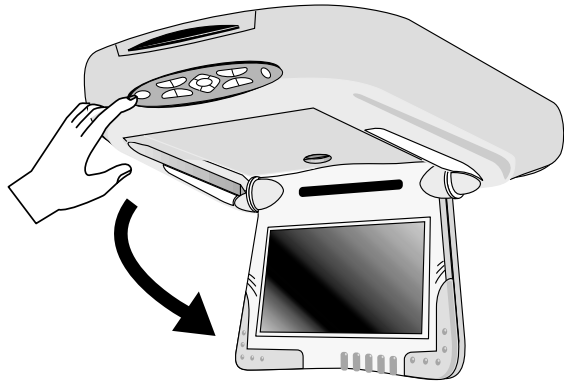
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GETTING STARTED USING YOUR A7

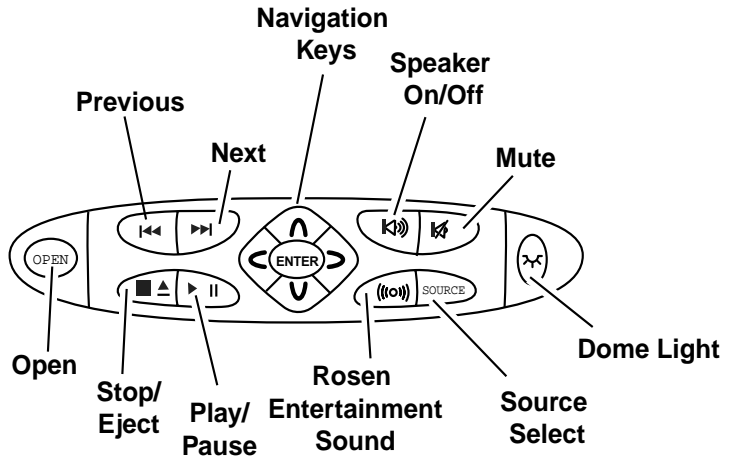


Switching On, Lowering and Adjusting the Screen

Use the system when your vehicle is running, or with the ignition key switch in the “accessory” position.

Press the **OPEN** button, as shown. The screen lowers and powers on automatically. To adjust the viewing position, rotate the adjustment knob.

The Front Panel Controls of the A7



Watching Video

(Note: The ignition key switch **must** be in the Run or Accessory position)

To Watch a DVD:

- 1 Press **EJECT** to remove any loaded disc.
- 2 Insert a DVD onto the slot, **label side up**.
- 3 For most DVDs, playback begins automatically. If not, press **PLAY** or **ENTER** as instructed on screen (this varies by DVD).

To Watch Broadcast Television (with **optional** TV tuner):

- 1 Press **SOURCE** until "TV Tuner " and a channel number (for example, "2") appear on the screen.
- 2 To change channels, press **NEXT** or **PREVIOUS** on the front panel, or **UP CH** and **DOWN CH** on the remote.

To Use Another Video Source (optional video game or camcorder):

- 1 Connect the RCA audio and video outputs of the device to the RCA inputs of the A7 (check with your Authorized Rosen dealer for the location of these connectors).
- 2 Press **SOURCE** until "Auxiliary Input" appears on the screen.

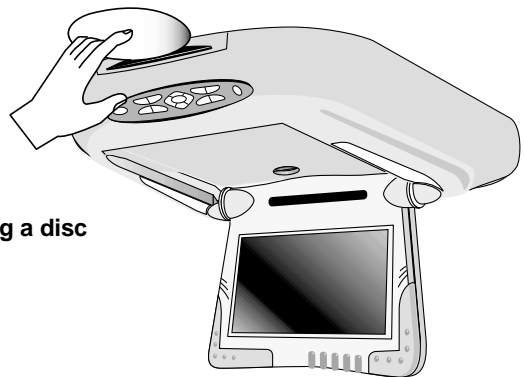
Listening Over the Vehicle Speakers

- 1 Press **SPEAKER**. "Speaker Sound Enabled" will appear on the screen. (If "Headphone Sound Only" appears, press again.)
- 2 Turn on the car radio. Make sure A7 **MUTE** is off. Tune to FM frequency 87.9. If no A7 audio is heard, try tuning in 88.3.

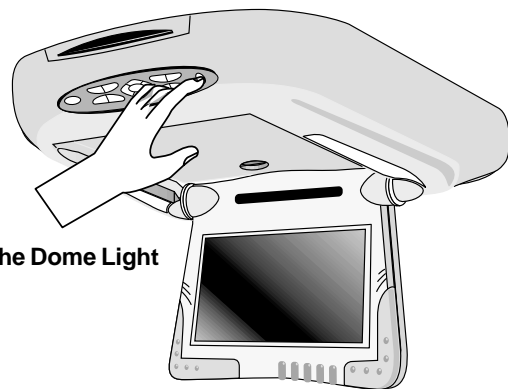
Using the Dome Lights

- 1 Press the **DOME LIGHT** button to turn the dome lights on or off.

Note: To prevent battery drain, the dome light automatically shuts off after 5 minutes of use.



Inserting a disc



Activating the Dome Light

INTRODUCTION

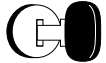
Welcome to the *Rosen A7 Vehicle Entertainment System Owner's Manual*. To get the most enjoyment from using your A7 system, please make sure that you and your passengers take time to read these instructions.

Your system includes the following components:

- An 7.0" widescreen flat panel display
- An internal DVD/CD/MP3 Player
- Wireless Infrared (IR) Headphones (2 pair)
- A Remote Control
- A Stereo FM Modulator (lets A7 sound be heard over your vehicle's speakers)
- Other parts and cables installed out of sight in your vehicle

Precautions

In order to operate the player, the vehicle ignition key switch must be in the ACC or engine ON position.



ACC or engine
ON position

WARNING!

Operate the system with the engine running, if possible. To avoid a dead battery, do not use the system for long periods of time without starting the engine.

- Use this system only if properly installed by a qualified installer.
- If the units show signs of overheating or malfunction, power off the unit and consult your dealer immediately.
- Do not open the unit - there are no serviceable parts inside.
- Do not press on the display surface; this can damage it.
- Clean the LCD panel with a slightly damp, soft cloth using household glass cleaner. **Do not** use solvents such as benzene, thinner, or commercially available cleaners.
- If your car was parked in a very cold or very hot place, the picture may not be clear. **The A7 system is not damaged.** The picture will become clear after the temperature returns to normal.
- When using portable radios and telephones near the system, picture or sound interference may occur.

Notes:

The system's operating voltage range is 11-16VDC operating voltage. The system operating temperature is 0° to 50° Celsius. Use of the A7 system beyond the safe operating ranges listed can cause temporary or permanent damage to the unit, and such damage may not covered by the manufacturer's warranty.

Adjust volume using the volume control on the headphones or the vehicle radio. There is no volume control on the A7 remote or on the overhead console.

DISCS PLAYED BY THE A7

Compatible Discs

DVD, Video CD (VCD), CD/CD-R, and MP3 discs are compatible with the A7. The identifying logo and description of each disc type is given below.



DVD 12 cm disc/8 cm disc
(single-sided disc only)



Video CD 12 cm disc/8 cm disc



CD/CD-R, MP3 12 cm disc/8 cm disc

DVD Regions

This digital media player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this player (Region 1), it will not be able to play the DVD disc. Some DVD discs are manufactured to operate in "all" zones, and those discs are compatible with the A7.

Region Icons:



Incompatible Discs:

The following disc types are incompatible:

- DVD-ROM
- DVD-R/DVD-RW/DVD-RAM
- Photo CD
- CD-ROM (Excluding most CD-Recordable discs using MP3 or CD-A formats)
- CD-Audio manufactured with certain copy protection methods
- Any DVD with a Region number other than "1" and "ALL"

Changing Monitor Settings

Display Adjustments: The A7 monitor has adjustable video settings. To change these settings, press the **ENTER** button on the overhead console and hold it for two seconds. A menu with the following options appears:

COLOR	(32)
CONTRAST	(32)
BRIGHT	(32)
TINT	(32)

To select a setting to be changed: Press the **DOWN** button to move the cursor down the menu list (it will cycle back to the the top).

To change the value of a setting: Use the **LEFT** and **RIGHT** arrow buttons to decrease and increase the value of the setting. The range is zero to 63, with 32 as the default.

To exit the menu: Press the **ENTER** button to save the settings and exit the menu.

Selecting among various display modes: The A7 has a "widescreen" display, with a 16:9 aspect ratio (the same aspect ratio as high-definition televisions).

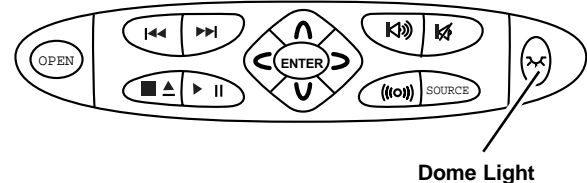
- To view widescreen DVD's, press the **DISPLAY MODE** button until "Wide" is displayed on the screen.
- To watch "fullscreen" DVD's or broadcast television (using an optional TV tuner), press until "Standard" is displayed.
- To stretch the picture to take up more of the screen, select the "Stretch" mode.

Note: While it is not technically a "monitor" setting, the internal DVD player can be configured for either a widescreen 16:9 output compatible with the 7" screen, or for a standard 4:3 output. Using the correct "WIDE" setting will eliminate or greatly reduce the "black bars" on the top and bottom of the screen when viewing a widescreen DVD. See page 18 more information.

Using the Dome Lights

The A7 has built-in dome lights for interior illumination. In many vehicles, this feature replaces an original factory dome light, which is sometimes displaced by installation of the A7 system.

The dome lights are controlled by the Dome Light button on the front panel of the A7.



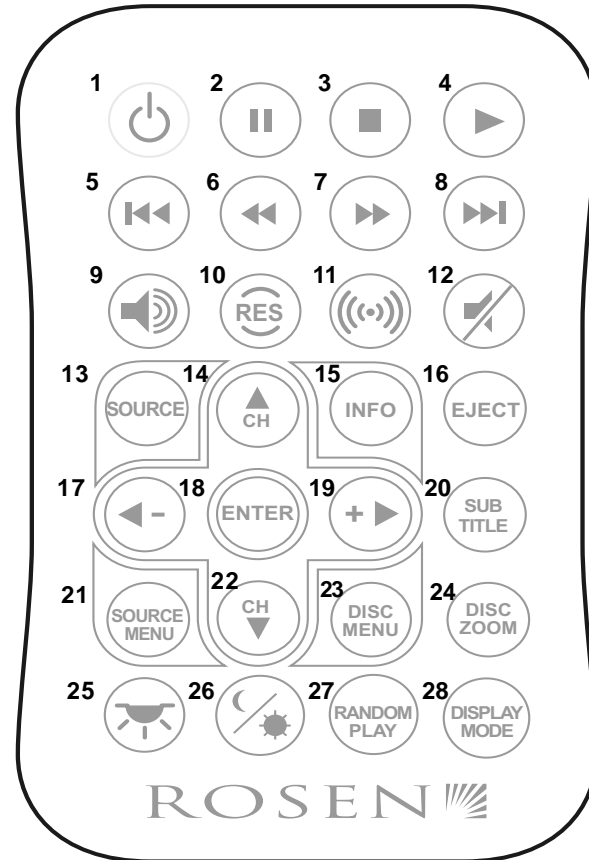
Note: Some vehicles have a dome light dimming feature that causes the dome light to fade out gradually. The system dome light may not fade in the exact manner as the factory dome light, but will still turn on and off normally in conjunction with the use of the vehicle's doors. This is proper operation for the system. If you have any questions, contact your Rosen authorized dealer.

USING THE REMOTE CONTROL

You can use the A7 remote control or the front-panel controls to operate the system. The remote control offers more functionality than the front-panel controls. Always aim the remote control at the A7 control panel - it contains the infrared sensor. For definitions of each remote control button's specific function, see the following sections of this manual.

1	Optional Source Unit Power	15	Info
2	Pause	16	Eject
3	Stop	17	Navigate left
4	Play	18	Enter
5	Previous Chapter/Track	19	Navigate Right
6	Reverse	20	Subtitle
7	Fast forward	21	Source Menu
8	Next Chapter/Track	22	Navigate Down
9	Speaker on/off	23	Disc Menu
10	Rosen Entertainment Sound	24	Disc Zoom
11	Surround Sound	25	No function
12	Mute	26	Day/night
13	Source select	27	Random play
14	Navigate up	28	Display Mode

If you try to perform a DVD action that is not permitted (such as accessing the disc menu while the disc is loading), the on-screen display will use the following symbol:



BASIC REMOTE CONTROL BUTTONS

1 Optional Source Unit Power

This button controls some optional source units.

Note: The A7 automatically turns on and off when the monitor is opened and closed.

4 Play

Press to begin or resume playback of a DVD.

*Note: DVD playback varies from disc to disc. When the disc is first inserted, you may have to press **PLAY** or **ENTER** to begin playback.*

3 Stop

Press once to temporarily stop playback of a DVD. To resume normal playback *from the same point*, press **PLAY**.

Press **STOP** twice and then press **PLAY** to begin playback from the *beginning* of the disc.

Note: When STOP is pressed twice, the A7 cannot return to the exact point and resume playback - it can only begin playing from the beginning of the disc.

16 Eject

Press to eject a DVD or CD.

BASIC BUTTONS, CONTINUED

2 Pause/Frame Step

Press once to pause playback or press repeatedly to advance video frame by frame. To resume normal playback, press **PLAY**.

5 Previous Chapter/Track

Press to jump to the previous title or chapter, if available on a DVD, or to the previous track on an audio CD.

8 Next Chapter/Track

Press to jump to the next title or chapter, if available on a DVD, or to the next track on an audio CD.

6 Reverse

Press to search in reverse. To resume normal playback, press **PLAY**.

7 Forward/Search

Press during playback to fast forward. Press the **RIGHT** and **LEFT** arrow buttons to adjust search direction and speed. Options include 2x, 4x, 6x, 8x, 12x, 16x, 32x, and 64x. Press **PLAY** to resume regular play.

25 Day/Night

This button decreases the brightness of the display, optimizing the picture brightness for low-light conditions, and making nighttime viewing more comfortable. Set the Brightness setting on page 8 for daylight viewing, and then use this button to select Night mode when viewing at night.

USING MENU AND NAVIGATION BUTTONS

13 Source

Press to choose between the DVD/CD drive or the Auxiliary input. This button also is used to access the optional TV Tuner, VideoCassette Player, or other optional auxiliary sources.

14, 22 Up/Down Arrows

Press to move up or down in a menu or to change channel when watching TV.

17, 19 Left/Right Arrows

Press to move left or right in a menu.

18 Enter

Press to make a menu selection.

21 Source Menu

Use to personalize operation of your DVD player or VCR. For more information, see "Changing DVD Player or VCR Setup".

15 Info

Press to view the status, current title number, track number and the total playing time of the disc on the monitor.

Note: If the DVD Player is selected and there is no disc loaded, pressing the INFO button will display the software version of the A7. This is for the use of factory personnel.

USING AUDIO BUTTONS

9 Speaker Sound

Press this button to hear A7 audio through the car speakers; *Speaker Sound On* appears on the screen. Headphone audio is not affected. Press again to hear A7 audio only through the headphones; *Headphone Audio Only* appears on the screen. Refer to "Using the Headphones" and "Listening Over the Car Speakers" for more details.

Note: The Speaker button on the control panel performs the same function.

10 Rosen Entertainment Sound Processing

This button turns on and off the Rosen Entertainment Sound Processing. With RES turned on, dialogue is automatically louder and easier to hear, while loud passages, such as special effects, are automatically lowered slightly. RES provides the best listening experience inside a car, with headphones or over the speakers.

11 Rosen Entertainment Surround-sound

This button turns on and off the Rosen Entertainment Surround-sound. Rosen Surround-sound is optimized for headphone listening.

Note: This button on the front control panel controls both Surround-sound and Sound Processing.

12 Mute

Press once to mute the audio. As long as the Mute function is active, "Mute" will appear on the screen. Press again to turn Mute off.

Note: The Mute button on the control panel performs the same function.

USING DVD DISC FEATURE BUTTONS

Some DVDs include menu and viewing options. Use the following buttons to access DVD-only menus and features.

20 Subtitle



Press repeatedly to cycle through the language options available on the DVD being played.

23 Disc Menu



Press to see the main menu for the DVD being played. To resume normal playback, press **PLAY**.

CHANGING THE SHAPE AND SIZE OF THE IMAGE

24 Disc Zoom



View the same scene at different magnifications.

- 1 Press the **DISC ZOOM** button during playback to select among the following options: x1.5, x2, and x4.
- 2 Press the arrow buttons to shift the magnified section of the screen.
- 3 To resume normal playback, press **DISC ZOOM** until "Zoom off" is displayed.

28 Display Mode



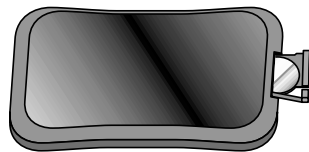
This button selects among various display modes. The A7 has a "widescreen" display, with a 16:9 aspect ratio (the same aspect ratio as high-definition televisions).

- To view widescreen DVD's, press this button until "Wide" is displayed on the screen.
- To watch "fullscreen" DVD's or broadcast television (using an optional TV tuner), press until "Standard" is displayed.
- To stretch the picture to take up more of the screen, select the "Stretch" mode.
- To zoom the picture, select the "Zoom" mode.

Note: For best results when zooming in on DVD images, use the Disc Zoom feature instead of the "Zoom" Display Mode.

For more information about display modes and image shapes, see "Why the Black Bars?" on page 18.

REPLACING THE REMOTE BATTERY



Use a single 3V battery, type CR2025. Insert as shown. Observe the correct orientation of the battery as marked on the battery tray. Battery life is approximately six months, depending on how often the remote is used.

CD AUDIO AND MP3 PLAYBACK

CD Playback

When an Audio CD is inserted, "CD" will appear on the screen. To display track information, press **INFO**. To play the tracks in a random order, press **RANDOM PLAY**.

MP3 Playback

When a compact disc with MP3 files is inserted, the SMART NAVI screen will appear. To conceal the SMART NAVI screen, see the "DVD Setup Menu" section. Each folder and file will be shown (the order may be slightly different than that on your PC). Navigate the files and folders using the navigation arrow keys, and select a file or folder to be played by using the **ENTER** button. To move to the next file or the previous file, use the **NEXT** and **PREVIOUS** buttons.

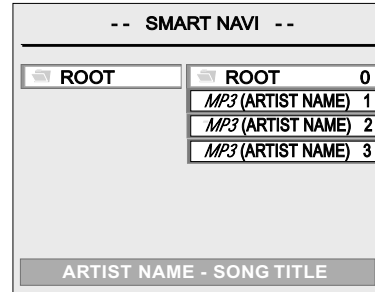
MP3 Disc Recording and File Extensions

When recording a CD with MP3 files to be played on the A7, always add a file extension ".MP3" or ".mp3" to MP3 files by using single-byte letters. If you add a different file extension, or forget to add the file extension ".MP3" or ".mp3," the file cannot be played. In addition, if you use upper case and lower case letters (capital and small letters) mixed together for file extensions, the file may not play.

Notes:

- Some CDs recorded in CD-R or CD-RW mode may not play.
- Files saved without MP3 data will not play.

When recording Audio CDs or MP3 files, make sure to check your CD recorder's level setting - too high a level will result in distorted sound.



Three repeat modes are available for MP3 use:

- NOREPEAT
- REP – ONE repeats the current file
- FOLDER REP repeats the current folder

Supported MP3 File Formats

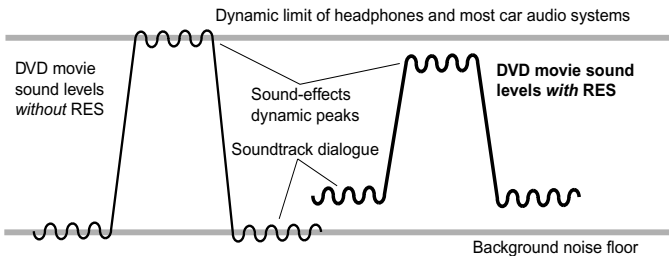
- ISO9660, level 1 and level 2 (the most common type of MP3 format)
- Joliet (a version of ISO9660 that supports longer filenames)
- Romeo (a format used by some CD-creating software)

ROSEN ENTERTAINMENT SOUND

What makes the Rosen A7 DVD sound better than any other “in-car entertainment” system? A collection of unique audio features that we call **Rosen Entertainment Sound**. Rosen engineers know that true entertainment isn't just visual – you've got to have great sound! You won't find this collection of sonic improvements anywhere but Rosen.

RES Surround-sound. (DVD audio only). While many of us have home theatre systems with center-channel speakers and subwoofers, Rosen knows that most of us don't have that luxury in our vehicles. So Rosen's surround-sound circuitry re-creates surround effects when watching movies – even when using headphones!

RES Sound Processing. (DVD audio only). Movie soundtracks were meant to be heard in a quiet theatre using a powerful, multi-channel sound system – not in a moving car with a four-speaker stereo! The dialogue can be difficult to hear over road noise, and the most dynamic portions of the soundtrack often overpower the car's sound system.



With RES Sound Processing turned on, dialogue is automatically louder and easier to hear, while loud passages, such as special effects, are automatically lowered slightly. RES provides the best listening experience inside a car, whether you are listening through the car speakers or wearing headphones. RES Sound Processing retains the original fidelity of the soundtrack, acoustically compensated for your vehicle. It also makes headphone listening even more enjoyable and comfortable.

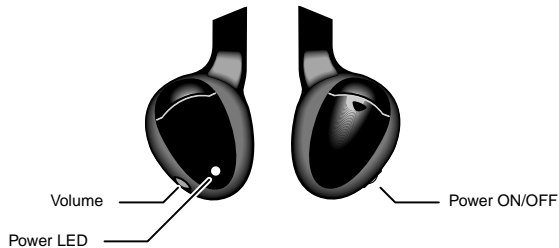
RES True Two-Channel Stereo. RES uses stereo audio all the way through the signal chain – even in the FM modulator, a place where many manufacturers save money and use only mono components. Rosen believes that in the age of digital multi-channel cinema sound, two-channel stereo is the minimum acceptable audio solution for DVD enjoyment.

RES Audio Overdrive. Most “automotive” DVD players operate on 12 volts, and that's about all that makes them “automotive”. Their DVD chips put out very low audio output voltages – maybe enough in a home system, but not enough for use in the challenging electrical environment of the automobile. RES A7 systems have what we call Audio Overdrive – we almost double the audio voltage level from the DVD drive on the way to the rest of the system. Not only is sound quality improved, but the chances of picking up electrical noise are greatly reduced.

USING THE HEADPHONES

Using the headphones allows rear-seat passengers to listen to their DVD, CD, video cassette, or video game without disturbing front-seat passengers. When headphones are in use, front-seat passengers can use the vehicle's audio system as usual through the car speakers by pressing the **SPEAKER** button until "Headphone Sound Only" appears on the screen.

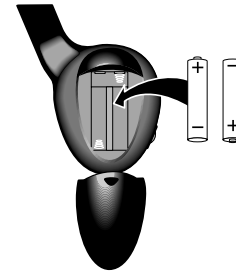
The system comes with wireless IR headphones that receive a signal from an IR transmitter concealed in the frame around the display.



To turn the headphones on and off, push the Power ON/OFF button on the right ear piece. The Power LED on the left ear piece indicates when headphone power is on. Power turns off automatically after three minutes of no audio to preserve battery life.

To adjust the headphone volume, rotate the thumb wheel switch on the headphones.

The wireless IR headphones require two AAA batteries. To replace the batteries, remove the battery compartment cap on the right earpiece and insert batteries, as shown.



LISTENING OVER THE CAR SPEAKERS

The A7 uses an FM Modulator to send audio through the vehicle radio and thus through the speakers. To listen to A7 system audio through your car speakers:

- 1 Press **SPEAKER**. "Speaker Sound Enabled" will appear on the screen. (If "Headphone Sound Only" appears, press **SPEAKER** again.)
- 2 Turn on the car radio. Make sure A7 **MUTE** is off. Tune to FM frequency 87.9. If no A7 audio is heard, try tuning in 88.3.

To turn off A7 system audio over the car speakers, press **SPEAKER**. "Headphone Sound Only" appears on the screen. Audio from the A7 system is then heard only over the headphones.

The A7 remembers which mode you have selected, and will return to that mode each time the system is turned on. You may want to store the FM Modulator frequency as a preset on your radio for ease of use. This will be either 87.9 or 88.3 FM.

Note: When the FM Modulator is on, you may notice some reduced radio reception. When the system is off, the FM Modulator also turns off. To listen to the radio when the A7 is not in use, close the A7 monitor, and both the A7 system and the FM Modulator will turn off.

Note: If there seems to be a strong station on the FM Modulator frequency, your Rosen authorized dealer can switch the system to the alternate frequency.

WATCHING BROADCAST TELEVISION

(ON TV TUNER-EQUIPPED SYSTEMS)

You can watch television or videotapes on the A7 if you have installed the optional AC3105 TV Tuner or R5000-series VCP, and the AC3024 TV/VCP harness (not included).

Note: Broadcast television reception varies with location, terrain, distance from the broadcast tower, and other factors. Signal quality is likely to vary in a moving vehicle.

- 1 Press **SOURCE** to select the "TV Tuner" input. "TV Tuner" and a channel number (for example, "2") will appear on the screen.
- 2 Press the **UP CH** and **DOWN CH** arrow buttons on the remote to change channels. You can also use the **UP** and **DOWN** arrows on the front control panel.
- 3 To scan all available channels, press **SOURCE MENU**.

*Note: To watch broadcast television or videotapes in their original format, press the **DISPLAY MODE** button on the remote control until "Standard" is displayed on the screen. This will properly size the image, instead of stretching the image across the A7 wide screen. In "Standard" mode, you will see black bars on the sides of the image, like this:*



USING GAMES AND CAMCORDERS

You may use video games, camcorders, and other portable video units by connecting the unit to the auxiliary RCA input cables of the A7. Check with your Rosen authorized dealer for the location of these RCA jacks.

Red—Right channel audio input

White—Left channel audio input

Yellow—Video input

Press **SOURCE** to select the “Auxiliary Input”.

To use a game system, a 12VDC to 110VAC power inverter, available at most electronic retail stores, is often required.

*Note: If you want to watch non-widescreen, 4:3 images, press the **DISPLAY MODE** button on the remote control until “Standard” is displayed on the screen. This will properly size the image, instead of stretching the image across the A7 wide screen. In “Standard” mode, you will see black bars on the sides of the image, like this:*



OPTIONAL ROSEN ACCESSORIES FOR YOUR A7

The following Rosen accessories are available for your A7. Most of these require some installation parts and labor - check with your authorized Rosen dealer for details.

AC3105 TV Tuner

The AC3105 TV Tuner receives VHF and UHF television broadcasts. It requires a TV antenna (not included). When installed using the A7 TV/VCP Harness (AC3024, not included), the AC3105 is controlled by the A7 remote control.

R5000-series Videocassette Player

The R5000 series of videocassette players play VHS videotapes. When connected to the A7 using the AC3024 harness (not included), the VCP is controlled by the A7 remote control. When using the VCP, the **PLAY, PAUSE, EJECT, FORWARD, REVERSE, SOURCE MENU,** and **INFO** buttons all operate the VCP. For more information, see the VCP Owner's Manual.

CV7200 add-on second display screen for A7

You can add a matching 7" wide screen display to your A7. This second screen can be used in a third row of seats, or the A7 and the CV7200 can be installed side-by-side. While almost any monitor can be used with your A7, only the CV7200 completely integrates functionally and visually with the A7 system. This makes using your A7 and CV7200 together truly seamless.

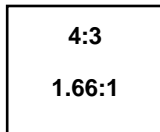
AC3003 Infrared Wireless Headphones

AC3205 Remote Control

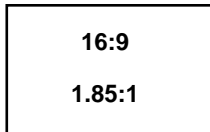
Additional headphones and remotes are available from your authorized Rosen dealer.

WHAT CAN I DO ABOUT BLACK BARS ON THE SCREEN?

Motion picture film and cameras, and later television screens, were originally designed around a screen size that was almost square - it was one-third wider than it was high (another way to say this is that it had a width-to-height ratio, or aspect ratio, of 4:3. This ratio, 4:3 can also be expressed as 1.66:1.)



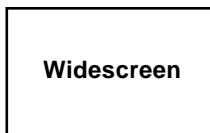
When widescreen movies such as Cinemascope and Panavision became popular, new aspect ratios were used for them - 1.78:1, 2.35:1, and even 2.4:1. When high-definition television was developed, a screen shape with an aspect ratio of 16:9, or 1.85:1, was selected as the best compromise for viewing widescreen images.



When you watch widescreen movies on a standard 4:3 television, there are "black bars" on the top and bottom of the screen. This is often called a "letterbox" image.



Your A7 uses a widescreen 16:9, or 1.85:1 display - the same aspect ratio as high-definition televisions. This means that when viewing widescreen DVD's, these black bars are either non-existent, or greatly minimized.



WHY ARE THE BLACK BARS STILL THERE SOMETIMES?

There are three possible reasons for black bars to appear on the top and bottom of your A7 display:

- 1) You are watching a widescreen movie with an aspect ratio greater than 1.85:1. (For more options on dealing with this, see below). Check the disc jewel box to determine the DVD's aspect ratio.
- 2) The DVD section of the A7 has been set for a 4:3 display instead of a 16:9 wide display. See the next page for how to correct this.
- 3) The "widescreen" DVD movie you are viewing is not "anamorphic" or "enhanced for widescreen televisions". These films, often older DVD conversions, are not recommended for widescreen displays. You can usually determine if your DVD was produced for optimum compatibility with widescreen televisions by looking for the word "anamorphic" or the phrase "enhanced for widescreen televisions" on the box.

WHAT CAN I DO?

First, Rosen recommends that for best results you use DVD's that say "anamorphic" or "enhanced for widescreen televisions" on the box. However, your A7 can get rid of black bars with just about any DVD using Rosen's exclusive image-sizing features, explained below. Only Rosen gives you so many wide-screen-filling options!

Make sure that the A7 internal DVD player is set to “WIDE”
(see DVD Setup, page 20).

Use the Display Mode button to select “Wide” or “Stretch”.

- To view widescreen DVD’s, use “Wide”.
- To stretch the picture to take up more of the screen, use “Stretch”.
- To zoom the picture, use the “Zoom” mode.

Note: for best results when zooming in on DVD images, use the Disc Zoom feature below instead of the “Zoom” Display Mode.

Finally, use the Disc Zoom feature to completely fill the screen.

- 1 Press the **DISC ZOOM** button during playback to select among the following options: x1.5, x2, and x4.
- 2 Press the arrow buttons to shift the magnified image left and right.

*Note: To watch “fullscreen” DVD’s or broadcast television (using an optional TV tuner), you can use the **DISPLAY MODE** button to select “Standard”. This will properly size the image, instead of stretching the image across the wide screen. In “Standard” mode, you will see black bars on the sides of the image, like this:*



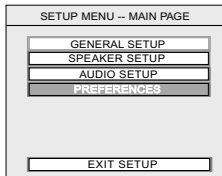
DVD TYPICAL SETUP AND CONFIGURATION

The following section explains how to customize various features of the A7's DVD Player, including various language, display, and parental control features.

Note: Many DVD menu settings do not apply to the A7 system, since it is specifically engineered for automotive use. Changing the state of some settings can cause apparent system failure. If you have questions about the original state of any DVD setting, please see the list on page 22.

To change the settings for your A7 DVD Player:

- 1 Press **SOURCE SETUP**.
- 2 Use the navigation arrow buttons to highlight a selection.
- 3 Press the **ENTER** button to confirm your selection.

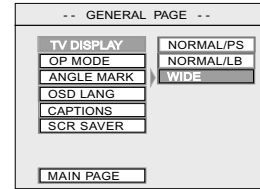


If you try to perform an action that is not permitted (such as accessing the Preferences menu while a disc is playing), the on-screen display will use the following symbol:



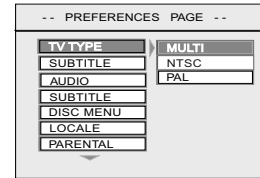
Changing the Aspect Ratio Mode

This is under the “GENERAL” tab. The correct setting for the A7 is “WIDE”. Changing this setting to “NORMAL/PS” or “NORMAL/LB” will result in distorted video.



Changing the Video Output Mode

To change the video output mode, select GENERAL, and then select TV TYPE. The default is MULTI. If you experience problems playing a PAL disc on your NTSC monitors, select NTSC.

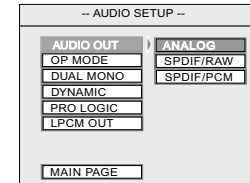


Note: The default setting “MULTI” will automatically output NTSC video from NTSC discs, and PAL video from PAL discs. NTSC is the North American standard.

The Digital Output Setting

There is a setting in the menu for a Digital Audio output. The A7 does not have a digital audio output. Leave this setting in the “Analog” mode.

Note: Enabling the Digital Audio mode disables the analog audio output used by the FM Modulator and the IR headphones, and can resemble a system audio failure.



Parental Control

The supplied remote control does not support the Parental Control feature.

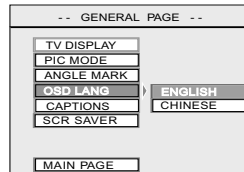
Changing Language Settings

Several language settings can be customized on the DVD Player. These languages can vary depending on the language supported by the DVD disc.

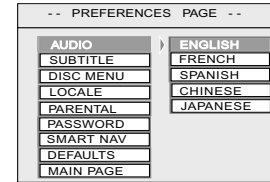
Notes:

- Not all language settings are supported by all discs.
- The languages supported by the A7 vary with the individual option setting - there is not a global language setting.

To change the on-screen display language, select GENERAL and OSD LANG.



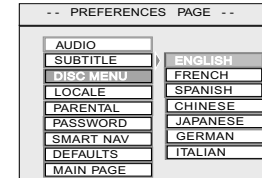
To change the soundtrack language, select PREFERENCES and AUDIO.



To change the subtitle or caption language, select PREFERENCES and SUBTITLE.

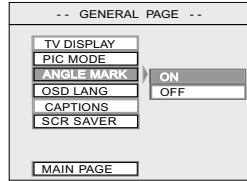


To change the disc menu language, select PREFERENCES and DISC MENU.



Concealing the “Angle Mark”

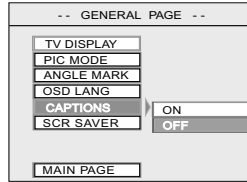
To display or conceal the “angle mark,” which appears during scenes that support a multiple-viewing-angle feature, select GENERAL and ANGLE MARK. Since the remote included with the A7 does not support this feature, the default for this setting is “OFF”.



Activating Captions and Subtitles

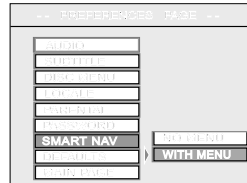
To enable or disable captions or subtitles, select GENERAL and CAPTIONS.

*Note: If CAPTIONS is set to OFF, the **SUBTITLE** button will be defeated from working. If SUBTITLE OFF is selected under Preferences – Audio, then the **SUBTITLE** button can still enable subtitles during playback, as long as CAPTIONS is set to ON.*



Deactivating the “Smart Nav” MP3 On-Screen Menu Display

To play MP3 discs without the “Smart Nav” on-screen menu display, select PREFERENCES, then SMART NAV.



DVD Setup Options List

The factory default options are given in bold type.

GENERAL PAGE

TV DISPLAY: **NORMAL/PS**, NORMAL/LB, WIDE
 TV TYPE: **MULTI**, NTSC, PAL
 ANGLE MARK: **ON**, OFF
 OSD LANG: **ENGLISH**, CHINESE
 CAPTIONS: **ON**, OFF
 SCR N SAVER: **OFF**, ON

SPEAKER SETUP

DOWNMIX: LT/RT, **STEREO**

AUDIO SETUP

AUDIO OUTPUT: **ANALOG**, SPDIF/RAW, SPDIF/PCM
 DYNAMIC: OFF to **FULL** (eight steps)
 LPCM: 48K, 96K

PREFERENCES PAGE

AUDIO: **ENGLISH**, FRENCH, SPANISH, CHINESE, JAPANESE
 SUBTITLE: **ENGLISH**, FRENCH, SPANISH, CHINESE, JAPANESE, OFF
 DISC MENU: **ENGLISH**, FRENCH, SPANISH, CHINESE, JAPANESE
 LOCALE: CHINA, FRANCE, HONG KONG, JAPAN, TAIWAN, GBR, **USA**
 PARENTAL: **OFF**
 PASSWORD: **3308**
 SMART NAV: **ON**, OFF

TROUBLESHOOTING

NO PICTURE, NO SOUND

The A7 system has low- and high-voltage and temperature protection circuits. If the voltage or temperature goes beyond the limits, the system shuts off. The power wire or power harness may have been disconnected, or the fuse may have failed. Contact your Rosen authorized dealer to determine if this is the case.

Note: The system voltage range is 11-16VDC operating voltage. The system operating temperature is 0° to 50° Celsius. Use of the DVD Player beyond the safe operating ranges listed can cause temporary or permanent damage to the unit, and such damage may not be covered by the manufacturer's warranty.

GOOD PICTURE, BUT NO SOUND OR DISTORTED, "TINNY" SOUND

Check the **MUTE** button. Check the volume on the radio, and make sure to try both 87.9 FM and 88.3 FM. Check the headphones; ensure the headphones have a direct "line of sight" to the infrared transmitter below the monitor. Replace headphone batteries, if needed. Check the DVD Setup Menu - the Audio Output setting must be set to "ANALOG" and the Speaker Downmix setting must be set to "STEREO". If using a CD you have made yourself, make sure you did not set the recording level too high.

GOOD SOUND, BUT BLURRY PICTURE

This happens if the system components are very cold. Allow the interior of the vehicle to warm up before using the A7 system. Make sure that the DVD you are playing is in good condition. If using an optional source unit, check the manual for that unit.

NO RESPONSE WHEN PRESSING THE REMOTE BUTTONS

Check the battery in the remote control.

RADIO PLAYS STATIC OR HAS NO RECEPTION

Press **SPEAKER** to turn off the FM Modulator. "Headphone Sound Only" will appear on the screen. This should enable optimum radio reception.

THE DOME LIGHT ON THE A7 CONSOLE DOES NOT WORK

The dome light has a 5-minute timer to prevent accidental draining of the battery. You might need to replace the dome light bulb.

Note: There is a button on the remote that resembles the Dome Light button on the control panel. This remote-control button does not control the A7 dome light.

I HAVE BLACK BARS ON THE TOP AND BOTTOM OF MY SCREEN WITH A WIDESCREEN DVD.

See page 18.

If the tips in this section do not address your question, please contact your Rosen authorized dealer - your A7 has internal diagnostic capabilities that are accessible to authorized Rosen dealers.

To locate a Rosen Entertainment Systems authorized dealer, please visit www.rosenentertainment.com.

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